

AMENDMENTS TO THE SPECIFICATION

Please enter the following amendments to the specification:

Replace paragraph [0079] with:

[0079] The signal cable 88 is connected via the plug-in connection 90 to evaluation circuit 124 ~~electronics (not shown)~~, which preprocesses the weighing signal of the sensor 80 or of the force transducer 60, possibly with further weighing signals of further load cells mounted on the vehicle seat, and provides the vehicle electronics with a signal which is, for example, a signal differentiating different weight classes and consequently can be used directly for the activation of multiple airbags capable of being fired.

Please add the following new paragraphs after paragraph [0079]:

[0079.1] On account of the extreme temperature fluctuations in the interior of a vehicle, which can easily exceed a temperature span of 80°C, it is preferred to connect the evaluation circuit 124 to a temperature sensor 126, the temperature signal of the latter being received by the evaluation circuit 124 and used for the temperature correction of the weighing signals.

[0079.2] Furthermore, the evaluation circuit 124 may comprise a diagnostic unit 128, which performs a check on the functional capability of the load cells at predetermined time intervals or else when predetermined events occur, for example when the motor vehicle is opened. In this way it can be promptly detected whether one of the load cells is producing inconsistent values and so must not be taken into account any longer in a determination of the weight of occupants.

[0079.3] In addition, the evaluation circuit 124 may be provided with a memory unit 130, which may serve for recording the weighing signals of the measuring cells over a predetermined time period and/or recording the output signals and/or the temperature signals.

[0079.4] The memory unit 130 will preferably store results of the preprocessing of the weighing signals, of the diagnostic unit 128, of the signals of the temperature sensor 126 or the temperature sensors and/or peak loading values of the seat frame, possibly together with a time signal.